

ArevaEPRDCPEm Resource

From: Tesfaye, Getachew
Sent: Friday, January 22, 2010 2:53 PM
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ArevaEPRDCPEm Resource
Subject: Draft - U.S. EPR Design Certification Application RAI No. 359 (4259), FSAR Ch. 11 OPEN
ITEM
Attachments: Draft RAI_359_CHPB_4259.doc

Attached please find draft RAI No. 359 regarding your application for standard design certification of the U.S. EPR. If you have any question or need clarifications regarding this RAI, please let me know as soon as possible, I will have our technical Staff available to discuss them with you.

Please also review the RAI to ensure that we have not inadvertently included proprietary information. If there are any proprietary information, please let me know within the next ten days. If I do not hear from you within the next ten days, I will assume there are none and will make the draft RAI publicly available.

Thanks,
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Request for Additional Information No. 359 (4259), Revision 1

1/22/2010

U. S. EPR Standard Design Certification
AREVA NP Inc.
Docket No. 52-020
SRP Section: 11.02 - Liquid Waste Management System
Application Section: 11.2.3.8

QUESTIONS for Health Physics Branch (CHPB)

11.02-18

OPEN ITEM

A review of FSAR Tier 2, Rev. 1, Section 11.2.3.8 indicates that the quality assurance program for the design, fabrication, procurement, and installation of the LWMS meets the guidance of RG 1.143. The commitment also refers to FSAR Tier 2, Section 17 for a description, which in turn refers to Areva Topical Report ANP-10266A (AREVA NP Inc., Quality Assurance Plan (QAP) for Design Certification of the U.S. EPR, Rev.1, April 2007). A review of FSAR Section 17.2 indicates that the construction phase and operations of the U.S. EPR are not applicable in the context of its design certification; FSAR Section 17.4 is devoted to the reliability program; and FSAR Section 17.5 relies on the Areva Topical Report in describing the quality assurance program. A review of Areva Topical Report, Appendix B (Regulatory Commitments: Compliance with Applicable Regulatory Guides, Generic Letters, and Standards) indicates that RG 1.143 is not listed among the cited documents. Note that although Appendix B refers to RGs 1.26 and 1.29, these two RGs do not apply to radioactive waste management systems, as stated in both RGs. Given the above, the staff concludes that FSAR Tier 2, Section 11.2.3.8 makes a design commitment for the LWMS that is not supported by FSAR Tier 2, Sections 11.2 and 17 and Areva Topical Report ANP-10266A. The applicant is requested to consider the following and make appropriate revisions to the FSAR Tier 2, Sections 11.2 and 11.7. Specifically:

1. revise Appendix B of Areva Topical Report ANP-10266A by including RG 1.143 in the list of documents.
2. describe in FSAR Tier 2, Section 11.2.3.8 the elements of QAP and identify related COL information item(s) that address the design, fabrication, procurement, and installation of the LWMS based on the guidance of RG 1.143.
3. make the corresponding changes to the QA discussion of FSAR Tier 2, Section 11.3.3.7 for the GWMS.
4. add a new subsection containing the corresponding commitment to FSAR Tier 2, Section 11.4 for the SWMS, as FSAR Section 11.4 has no parallel QA discussion that address the fabrication, procurement, and installation of the SWMS based on the guidance of RG 1.143.